**HOMEWORK WEEKS 8 AND 9 2013**

The Twelfth Day of Christmas

*On the twelfth day of Christmas,   
my True Love sent to me   
Twelve drummers drumming,   
Eleven pipers piping,   
Ten lords a-leaping,   
Nine ladies dancing,   
Eight maids a-milking,   
Seven swans a-swimming,   
Six geese a-laying,   
Five golden rings,   
Four calling birds,   
Three French hens,   
Two turtle doves,   
And a partridge in a pear tree!*

All of these questions are about just the twelfth day of Christmas and not the days before it!

1. How many presents were given to me by my True Love altogether? *(1 mark)*
2. How many birds were sent by my True Love? *(1 mark)*
3. How many people did my True Love send to entertain me? *(1 mark)*
4. How many wings are there in the song? *(1 mark)*
5. How many legs are there in the song? *(1 mark)*
6. If I shared all of my presents with you, how many would we have each? *(1 mark)*
7. If all the people who had to read music needed glasses, how many pairs of glasses would be needed? *(1 mark)*
8. How many of the gifts are definitely female? *(1 mark)*
9. How many letters are there in the verse? *(1 mark)*
10. If each maid managed to get 4 pints of milk a day, how many pints of milk would I have to drink in a leap year? *(Up to 2 marks)*
11. Each Calling Bird can call non-stop for one hour and 27 minutes. If they take it in turns to call without a break between them and the first starts at 11:15am, what time will the fourth bird stop calling at? *(Up to 2 marks)*
12. If next year my True Love decided to be even more generous and changed it to the 16 Days of Christmas, how many presents would I receive on the last day? *(Up to 2 marks)*
13. If each of the people bought 6 presents each for their family and the birds bought 13 presents each for their family, who bought the most amount of presents – the people or the birds? *(Up to 2 marks)*
14. If the first swan swam 8km and then each of the swans after swam double the amount of the one before, how far would the swans have swum altogether in metres? *(Up to 3 marks)*
15. The jeweller said that each of my gold rings was worth £1000 but each year they would be worth 10% less. How much would all 5 rings together be worth after 3 years? *(Up to 3 marks)*
16. The average partridge weighs 1,200g. The average pear tree can hold up to 450kg in extra weight. What is the maximum amount of partridges that could sit in the pear tree before the tree breaks. *(Up to 3 marks)*
17. On average, a bird can release 137.5kg of droppings in a year. How much poo would the birds produce in 5 years? *(Up to 3 marks)*
18. The French Hens had 2 chicks each. When they grew up each of these chicks had 4 chicks each and these chicks then had 3 chicks each. How many French Hens were there altogether? *(Up to 3 marks)*
19. A goose will lay one egg a day for approximately 9 months of the year. Approximately how many eggs will I have each year? *(Up to 3 marks)*
20. A piper’s pipe costs £32.00. A drummer’s drumsticks costs one tenth of the price of a dancing lady’s shoes. The milking maid’s milking machines cost double that of the piper’s pipes and the dancing lady’s shoes cost half of the piper’s pipes whilst the leaping lords pay double the cost of drummer’s drumsticks for their Lycra tights. How much did the drummers, pipers, lords, ladies and maids pay for all of their equipment? *(Up to 5 marks)*